



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Zigmond et al.

Art Unit: 2182

Application No. 09/153,577

Filed: September 15, 1998

For: TELEVISION/INTERNET TERMINAL USER
INTERFACE

Examiner: Tammara Peyton

Date: March 10, 2005

COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231

DECLARATION OF PRIOR INVENTION UNDER 37 CFR 1.131

As a below-named inventor, I declare that I am an inventor of the subject matter claimed in claims 6, 13, 15, 16, 21, 22, 24-26, 28, 30-35, 38-41, 43-55, 57-59, 62-66, 68, 69, 71-73, and 75-101 of the referenced patent application. I do not know and do not believe that the invention of claims 6, 13, 15, 16, 21, 22, 24-26, 28, 30-35, 38-41, 43-55, 57-59, 62-66, 68, 89, 71-73, and 75-101 was in public use or on sale in this country, or patented or described in a printed publication in this or any foreign country more than one year prior to the filing date of the referenced patent application. Furthermore, I have never abandoned the above-referenced claimed invention, and I have read and understood claims 6, 13, 15, 16, 21, 22, 24-26, 28, 30-35, 38-41, 43-55, 57-59, 62-66, 68, 69, 71-73, and 75-101.

REDUCTION TO PRACTICE

The undersigned further declares that the subject matter of claims 6, 13, 15, 16, 21, 22, 24-26, 28, 30-35, 38-41, 43-55, 57-59, 62-66, 68, 69, 71-73, and 75-101 was reduced to practice before September 26, 1997. In support of this declaration, the undersigned alleges the following facts:

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1. Before September 26, 1997, WebTV Networks, Inc. announced the introduction of a version of the WebTV Plus Receiver. Exhibit A, entitled “WebTV Networks Introduces Revolutionary Next-Generation System,” and Exhibit B, entitled “Advertisements with TV Crossover Links Directly Tie TV Commercials to Advertiser’s Web Content,” are press releases dated September 16, 1997 from WebTV Networks describing the expected release of the WebTV Plus Receiver in fall 1997. Exhibit C is a collection of change documentation entries describing changes made between July 18, 1997 and September 24, 1997 to source code for software used in the WebTV Plus Receiver.
2. Before September 26, 1997, subject matter falling within the scope of each of claims 6, 13, 15, 16, 21, 22, 24-26, 28, 30-35, 38-41, 43-55, 57-59, 62-66, 68, 69, 71-73, and 75-101, respectively, was enabled in the WebTV Plus Receiver and worked for its intended purpose. Exhibits A and B generally describe operation of a WebTV Plus Receiver in conjunction with a “TV Crossover Link” of the WebTV Plus Network service. Exhibit C describes source code changes implementing a user interface for crossing between display of a television signal and display of World Wide Web content referenced by a URL, including the use of a “Crossover Mark” and a “Crossover Panel” as user interface features. [See, e.g., Exhibit C, Change 8532 and Change 9003.]
3. Before September 26, 1997, subject matter falling within the scope of **claim 6** was enabled in the WebTV Plus Receiver, in that the WebTV Plus Receiver in conjunction with a television set was able to operate a screen to transition between display of a television signal and display of auxiliary data from an auxiliary data network as required by **claim 6**. [See, e.g., Exhibit C, Changes 6378, 8532, 8574, and 10697.]
4. Before September 26, 1997, subject matter falling within the scope of **claim 13** was enabled in the WebTV Plus Receiver, in that the WebTV Plus Receiver in conjunction

with a television set was further able to display in a graphical control panel a title as required by **claim 13**. [See, e.g., Exhibit C, Changes 8876, 8924, and 9003.]

5. Before September 26, 1997, subject matter falling within the scope of **claim 15** was enabled in the WebTV Plus Receiver, in that the WebTV Plus Receiver in conjunction with a television set was further able to display in a graphical control panel at least one graphical control as required by **claim 15**. [See, e.g., Exhibit C, Change 8985.]
6. Before September 26, 1997, subject matter falling within the scope of **claim 16** was enabled in the WebTV Plus Receiver, in that the WebTV Plus Receiver in conjunction with a television set was able to operate a screen to transition between display of a televised advertising message and display of additional information from the Internet relating to the subject of the advertising method as required by **claim 16**. [See, e.g., Exhibit C, Changes 6378, 8532, 8574, and 10697.]
7. Before September 26, 1997, subject matter falling within the scope of **claim 21** was enabled in the WebTV Plus Receiver, in that the WebTV Plus Receiver in conjunction with a television set was able to operate a screen to crossover between display of television programming and display of supplementary data from the Internet as required by **claim 21**. [See, e.g., Exhibit C, Changes 6378, 8532, 8574, 8876, 9803, and 10697.]
8. Before September 26, 1997, subject matter falling within the scope of **claim 22** was enabled in the WebTV Plus Receiver, in that the WebTV Plus Receiver in conjunction with a television set was further able to display a control panel as required by **claim 22**. [See, e.g., Exhibit C, Changes 6378, 8532, 8574, and 10697.]
9. Before September 26, 1997, subject matter falling within the scope of **claim 24** was enabled in the WebTV Plus Receiver, in that the WebTV Plus Receiver in conjunction

- with a television set was further able to replace display of television programming as required by **claim 24**. [See, e.g., Exhibit C, Changes 6378, 8532, 8574, and 10697.]
10. Before September 26, 1997, subject matter falling within the scope of **claim 25** was enabled in the WebTV Plus Receiver, in that the WebTV Plus Receiver in conjunction with a television set was further able to compile a log as required by **claim 25** and perform other acts as required by **claim 25**. [See, e.g., Exhibit C, Change 8876.]
11. Before September 26, 1997, subject matter falling within the scope of **claim 26** was enabled in the WebTV Plus Receiver, in that the WebTV Plus Receiver in conjunction with a television set was further able to store data as required by **claim 26**. [See, e.g., Exhibit C, Change 8876.]
12. Before September 26, 1997, subject matter falling within the scope of **claim 28** was enabled in the WebTV Plus Receiver, in that the WebTV Plus Receiver in conjunction with a television set was further able to display a control panel including plural graphical controls as required by **claim 28**. [See, e.g., Exhibit C, Changes 6378, 8532, 8574, and 10697.]
13. Before September 26, 1997, subject matter falling within the scope of **claim 30** was enabled in the WebTV Plus Receiver, in that the WebTV Plus Receiver in conjunction with a television set was able to operate a screen to crossover between display of a television signal and display of auxiliary data from an auxiliary data network as required by **claim 30**. [See, e.g., Exhibit C, Changes 6378, 8532, 8574, and 10697.]
14. Before September 26, 1997, subject matter falling within the scope of **claim 31** was enabled in the WebTV Plus Receiver, in that the WebTV Plus Receiver in conjunction with a television set was further able to display a translucent icon and graphical control panel as required by **claim 31**. [See, e.g., Exhibit C, Change 9003.]

15. Before September 26, 1997, subject matter falling within the scope of **claim 32** was enabled in the WebTV Plus Receiver, in that the WebTV Plus Receiver in conjunction with a television set was further able to change luminance as required by **claim 32**. [See, e.g., Exhibit C, Change 9003.]
16. Before September 26, 1997, subject matter falling within the scope of **claim 33** was enabled in the WebTV Plus Receiver, in that the WebTV Plus Receiver in conjunction with a television set was further able to display an icon N times for link data conveyed with the television signal M different times during a program (where N is less than M) as required by **claim 33**. [See, e.g., Exhibit C, Change 9822.]
17. Before September 26, 1997, subject matter falling within the scope of **claim 34** was enabled in the WebTV Plus Receiver, in that the WebTV Plus Receiver in conjunction with a television set was further able to display the icon N times where N equals one as required by **claim 34**. [See, e.g., Exhibit C, Change 9822.]
18. Before September 26, 1997, subject matter falling within the scope of **claim 35** was enabled in the WebTV Plus Receiver, in that the WebTV Plus Receiver included components as required by **claim 35** and, in conjunction with a television set, was able to operate as required by **claim 35**. [See, e.g., Exhibit C, Changes 6378, 8532, 8574, and 10697.]
19. Before September 26, 1997, subject matter falling within the scope of **claim 38** was enabled in the WebTV Plus Receiver, in that the WebTV Plus Receiver in conjunction with a television set was further able to cause display of auxiliary data as required by **claim 38**. [See, e.g., Exhibit C, Changes 6378, 8532, 8574, and 10697.]
20. Before September 26, 1997, subject matter falling within the scope of **claim 39** was enabled in the WebTV Plus Receiver, in that the WebTV Plus Receiver in conjunction

with a television set was further able to adjust luminance as required by **claim 39**. [*See, e.g., Exhibit C, Change 9003.*]

21. Before September 26, 1997, subject matter falling within the scope of **claim 40** was enabled in the WebTV Plus Receiver, in that the WebTV Plus Receiver in conjunction with a television set was further able to display a progress indicator as required by **claim 40**. [*See, e.g., Exhibit C, Changes 8532 and 8568.*]
22. Before September 26, 1997, subject matter falling within the scope of **claim 41** was enabled in the WebTV Plus Receiver, in that the WebTV Plus Receiver in conjunction with a television set was further able to skip displaying an icon as required by **claim 41**. [*See, e.g., Exhibit C, Change 9822.*]
23. Before September 26, 1997, subject matter falling within the scope of **claim 43** was enabled in the WebTV Plus Receiver, in that the WebTV Plus Receiver in conjunction with a television set was further able to add identifying data into a favorites folder as required by **claim 43**. [*See, e.g., Exhibit C, Changes 9803 and 8876.*]
24. Before September 26, 1997, subject matter falling within the scope of **claim 44** was enabled in the WebTV Plus Receiver, in that the WebTV Plus Receiver in conjunction with a television set was further able to compare subsequent link data to previously conveyed link data required by **claim 44** and then display or skip display as required by **claim 44**. [*See, e.g., Exhibit C, Change 9822.*]
25. Before September 26, 1997, subject matter falling within the scope of **claim 45** was enabled in the WebTV Plus Receiver, in that the WebTV Plus Receiver in conjunction with a television set was further able to present to a user a title as required by **claim 45**. [*See, e.g., Exhibit C, Changes 8876, 8924, and 9003.*]

26. Before September 26, 1997, subject matter falling within the scope of **claim 46** was enabled in the WebTV Plus Receiver, in that the WebTV Plus Receiver in conjunction with a television set was further able to display a graphical control panel including a plurality of graphical controls as required by **claim 46**. [See, e.g., Exhibit C, Changes 6378, 8532, 8574, and 10697.]
27. Before September 26, 1997, subject matter falling within the scope of **claim 47** was enabled in the WebTV Plus Receiver, in that the WebTV Plus Receiver in conjunction with a television set was further able to add data identifying additional information to a log as required by **claim 47** and return to display as required by **claim 47**. [See, e.g., Exhibit C, Change 8876.]
28. Before September 26, 1997, subject matter falling within the scope of **claim 48** was enabled in the WebTV Plus Receiver, in that the WebTV Plus Receiver in conjunction with a television set was further able to display at least part of a log as required by **claim 48** and retrieve and display additional information as required by **claim 48**. [See, e.g., Exhibit C, Change 8876.]
29. Before September 26, 1997, subject matter falling within the scope of **claim 49** was enabled in the WebTV Plus Receiver, in that the WebTV Plus Receiver in conjunction with a television set was further able to display a control panel and additional information as required by **claim 49**. [See, e.g., Exhibit C, Changes 6378, 8532, 8574, and 10697.]
30. Before September 26, 1997, subject matter falling within the scope of **claim 50** was enabled in the WebTV Plus Receiver, in that the WebTV Plus Receiver in conjunction with a television set was further able to display a translucent icon as required by **claim 50**. [See, e.g., Exhibit C, Change 9003.]

31. Before September 26, 1997, subject matter falling within the scope of **claim 51** was enabled in the WebTV Plus Receiver, in that the WebTV Plus Receiver in conjunction with a television set was further able to display a progress indicator as required by **claim 51**. [*See, e.g.,* Exhibit C, Changes 8532 and 8568.]
32. Before September 26, 1997, subject matter falling within the scope of **claim 52** was enabled in the WebTV Plus Receiver, in that the WebTV Plus Receiver in conjunction with a television set was further able to display an icon as required by **claim 52**. [*See, e.g.,* Exhibit C, Changes 6378, 8532, 8574, and 10697.]
33. Before September 26, 1997, subject matter falling within the scope of **claim 53** was enabled in the WebTV Plus Receiver, in that the WebTV Plus Receiver in conjunction with a television set was further able to display a translucent icon as required by **claim 53**. [*See, e.g.,* Exhibit C, Change 9003.]
34. Before September 26, 1997, subject matter falling within the scope of **claim 54** was enabled in the WebTV Plus Receiver, in that the WebTV Plus Receiver in conjunction with a television set was further able to display a graphical control panel including a graphical control as required by **claim 54**. [*See, e.g.,* Exhibit C, Changes 6378, 8532, 8574, and 10697.]
35. Before September 26, 1997, subject matter falling within the scope of **claim 55** was enabled in the WebTV Plus Receiver, in that the WebTV Plus Receiver in conjunction with a television set was further able to display a graphical control panel including plural graphical controls as required by **claim 55**. [*See, e.g.,* Exhibit C, Changes 6378, 8532, 8574, and 10697.]
36. Before September 26, 1997, subject matter falling within the scope of **claim 57** was enabled in the WebTV Plus Receiver, in that the WebTV Plus Receiver in conjunction

- with a television set was further able to compare subsequent logical address link data to at least some previous logical address link data as required by **claim 57** and perform alerting or skip alerting as required by **claim 57**. [See, e.g., Exhibit C, Change 9822.]
37. Before September 26, 1997, subject matter falling within the scope of **claim 58** was enabled in the WebTV Plus Receiver, in that the WebTV Plus Receiver in conjunction with a television set was further able to display a progress indicator as required by **claim 58**. [See, e.g., Exhibit C, Changes 8532 and 8568.]
38. Before September 26, 1997, subject matter falling within the scope of **claim 59** was enabled in the WebTV Plus Receiver, in that the WebTV Plus Receiver in conjunction with a television set was further able to display a page of supplementary data as required by **claim 59**. [See, e.g., Exhibit C, Changes 6378, 8532, 8574, and 10697.]
39. Before September 26, 1997, subject matter falling within the scope of **claim 62** was enabled in the WebTV Plus Receiver, in that the WebTV Plus Receiver in conjunction with a television set was further able to display at least part of a log as required by **claim 62** and display auxiliary data as required by **claim 62**. [See, e.g., Exhibit C, Change 8876.]
40. Before September 26, 1997, subject matter falling within the scope of **claim 63** was enabled in the WebTV Plus Receiver, in that the WebTV Plus Receiver in conjunction with a television set was further able to display a translucent icon as required by **claim 63**. [See, e.g., Exhibit C, Change 9003.]
41. Before September 26, 1997, subject matter falling within the scope of **claim 64** was enabled in the WebTV Plus Receiver, in that the WebTV Plus Receiver in conjunction with a television set was further able to display a progress indicator as required by **claim 64**. [See, e.g., Exhibit C, Changes 8532 and 8568.]

42. Before September 26, 1997, subject matter falling within the scope of **claim 65** was enabled in the WebTV Plus Receiver, in that the WebTV Plus Receiver in conjunction with a television set was further able to skip displaying an icon as required by **claim 65**. [See, e.g., Exhibit C, Change 9822.]
43. Before September 26, 1997, subject matter falling within the scope of **claim 66** was enabled in the WebTV Plus Receiver, in that the WebTV Plus Receiver in conjunction with a television set was further able to replace a displayed television signal as required by **claim 66**. [See, e.g., Exhibit C, Changes 6378, 8532, 8574, and 10697.]
44. Before September 26, 1997, subject matter falling within the scope of **claim 68** was enabled in the WebTV Plus Receiver, in that the WebTV Plus Receiver in conjunction with a television set was further able to display a translucent icon as required by **claim 68**. [See, e.g., Exhibit C, Change 9003.]
45. Before September 26, 1997, subject matter falling within the scope of **claim 69** was enabled in the WebTV Plus Receiver, in that the WebTV Plus Receiver in conjunction with a television set was further able to cause display of at least part of a log as required by **claim 69** and cause display of auxiliary data as required by **claim 69**. [See, e.g., Exhibit C, Change 8876.]
46. Before September 26, 1997, subject matter falling within the scope of **claim 71** was enabled in the WebTV Plus Receiver, in that the WebTV Plus Receiver in conjunction with a television set was further able to display auxiliary data as required by **claim 71**. [See, e.g., Exhibit C, Changes 6378, 8532, 8574, and 10697.]
47. Before September 26, 1997, subject matter falling within the scope of **claim 72** was enabled in the WebTV Plus Receiver, in that the WebTV Plus Receiver in conjunction

with a television set was further able to display auxiliary data as required by **claim 72**.

[See, e.g., Exhibit C, Changes 6378, 8532, 8574, and 10697.]

48. Before September 26, 1997, subject matter falling within the scope of **claim 73** was enabled in the WebTV Plus Receiver, in that the WebTV Plus Receiver in conjunction with a television set was further able to cause display of a progress indicator as required by **claim 73**. [See, e.g., Exhibit C, Changes 8532 and 8568.]
49. Before September 26, 1997, subject matter falling within the scope of **claim 75** was enabled in the WebTV Plus Receiver, in that the WebTV Plus Receiver in conjunction with a television set was further able to cause display of a progress indicator as required by **claim 75**. [See, e.g., Exhibit C, Changes 8532 and 8568.]
50. Before September 26, 1997, subject matter falling within the scope of **claim 76** was enabled in the WebTV Plus Receiver, in that the WebTV Plus Receiver in conjunction with a television set was further able to cause comparison of subsequent logical address link data to previous logical address link data as required by **claim 76** and cause display of an icon as required by **claim 76**. [See, e.g., Exhibit C, Change 9822.]
51. Before September 26, 1997, subject matter falling within the scope of **claim 77** was enabled in the WebTV Plus Receiver, in that the WebTV Plus Receiver in conjunction with a television set was further able to cause addition of identifying data into a favorites folder as required by **claim 77**. [See, e.g., Exhibit C, Changes 9803 and 8876.]
52. Before September 26, 1997, subject matter falling within the scope of **claim 78** was enabled in the WebTV Plus Receiver, in that the WebTV Plus Receiver in conjunction with a television set was able to operate a screen to transition between display of a television signal and display of auxiliary data from an auxiliary data network as required by **claim 78**. [See, e.g., Exhibit C, Changes 6378, 8532, 8574, and 10697.]

53. Before September 26, 1997, subject matter falling within the scope of **claim 79** was enabled in the WebTV Plus Receiver, in that the WebTV Plus Receiver in conjunction with a television set was further able to display in a graphical control panel a title as required by **claim 79**. [*See, e.g.*, Exhibit C, Changes 8876, 8924, and 9003.]
54. Before September 26, 1997, subject matter falling within the scope of **claim 80** was enabled in the WebTV Plus Receiver, in that the WebTV Plus Receiver in conjunction with a television set was further able to display auxiliary data as required by **claim 80**. [*See, e.g.*, Exhibit C, Changes 6378, 8532, 8574, and 10697.]
55. Before September 26, 1997, subject matter falling within the scope of **claim 81** was enabled in the WebTV Plus Receiver, in that the WebTV Plus Receiver in conjunction with a television set was further able to end display of a graphical control panel as required by **claim 81** and display auxiliary data instead as required by **claim 81**. [*See, e.g.*, Exhibit C, Changes 6378, 8532, 8574, and 10697.]
56. Before September 26, 1997, subject matter falling within the scope of **claim 82** was enabled in the WebTV Plus Receiver, in that the WebTV Plus Receiver in conjunction with a television set was able to operate a screen to transition between display of a television signal and display of auxiliary data from an auxiliary data network as required by **claim 82**. [*See, e.g.*, Exhibit C, Changes 6378, 8532, 8574, 9822, and 10697.]
57. Before September 26, 1997, subject matter falling within the scope of **claim 83** was enabled in the WebTV Plus Receiver, in that the WebTV Plus Receiver in conjunction with a television set was able to operate a screen to transition between display of a television signal and display of auxiliary data from an auxiliary data network as required by **claim 83**. [*See, e.g.*, Exhibit C, Changes 6378, 8532, 8574, 8876, 9803, and 10697.]

58. Before September 26, 1997, subject matter falling within the scope of **claim 84** was enabled in the WebTV Plus Receiver, in that the WebTV Plus Receiver in conjunction with a television set was able to operate a screen to transition between display of a television signal and display of auxiliary data from an auxiliary data network as required by **claim 84**. [See, e.g., Exhibit C, Changes 6378, 8532, 8574, 9822, and 10697.]
59. Before September 26, 1997, subject matter falling within the scope of **claim 85** was enabled in the WebTV Plus Receiver, in that the WebTV Plus Receiver in conjunction with a television set was able to operate a screen to crossover between display of television programming and display of supplementary data from the Internet as required by **claim 85**. [See, e.g., Exhibit C, Changes 6378, 8532, 8574, 8876, 9803, and 10697.]
60. Before September 26, 1997, subject matter falling within the scope of **claim 86** was enabled in the WebTV Plus Receiver, in that the WebTV Plus Receiver in conjunction with a television set was able to operate a screen to crossover between display of television programming and display of supplementary data from the Internet as required by **claim 86**. [See, e.g., Exhibit C, Changes 6378, 8532, 8574, 8876, 9803, 9822, and 10697.]
61. Before September 26, 1997, subject matter falling within the scope of **claim 87** was enabled in the WebTV Plus Receiver, in that the WebTV Plus Receiver included components as required by **claim 87** and, in conjunction with a television set, was able to operate as required by **claim 87**. [See, e.g., Exhibit C, Changes 6378, 8532, 8574, 9822, and 10697.]
62. Before September 26, 1997, subject matter falling within the scope of **claim 88** was enabled in the WebTV Plus Receiver, in that the WebTV Plus Receiver in conjunction with a television set was further able to cause display of a panel as required by **claim 88**,

cause display of the panel to end as required by **claim 88**, and cause display of auxiliary data as required by **claim 88**. [See, e.g., Exhibit C, Changes 6378, 8532, 8574, and 10697.]

63. Before September 26, 1997, subject matter falling within the scope of **claim 89** was enabled in the WebTV Plus Receiver, in that the WebTV Plus Receiver in conjunction with a television set was further able to cause the display of auxiliary data as required by **claim 89**. [See, e.g., Exhibit C, Changes 6378, 8532, 8574, and 10697.]
64. Before September 26, 1997, subject matter falling within the scope of **claim 90** was enabled in the WebTV Plus Receiver, in that the WebTV Plus Receiver in conjunction with a television set was further able to cause the display of auxiliary data as required by **claim 90**. [See, e.g., Exhibit C, Changes 6378, 8532, 8574, and 10697.]
65. Before September 26, 1997, subject matter falling within the scope of **claim 91** was enabled in the WebTV Plus Receiver, in that the WebTV Plus Receiver in conjunction with a television set was further able to cause display of a progress indicator as required by **claim 91**. [See, e.g., Exhibit C, Changes 8532 and 8568.]
66. Before September 26, 1997, subject matter falling within the scope of **claim 92** was enabled in the WebTV Plus Receiver, in that the WebTV Plus Receiver in conjunction with a television set was further able to cause display of a panel as required by **claim 92**, cause display of the panel to end as required by **claim 92**, and cause display of television programming as required by **claim 92**. [See, e.g., Exhibit C, Changes 6378, 8532, 8574, and 10697.]
67. Before September 26, 1997, subject matter falling within the scope of **claim 93** was enabled in the WebTV Plus Receiver, in that the WebTV Plus Receiver in conjunction

with a television set was further able to cause display of a translucent icon as required by **claim 93**. [See, e.g., Exhibit C, Change 9003.]

68. Before September 26, 1997, subject matter falling within the scope of **claim 94** was enabled in the WebTV Plus Receiver, in that the WebTV Plus Receiver in conjunction with a television set was further able to cause display of at least part of a log as required by **claim 94** and cause display of auxiliary data as required by **claim 94**. [See, e.g., Exhibit C, Change 8876.]
69. Before September 26, 1997, subject matter falling within the scope of **claim 95** was enabled in the WebTV Plus Receiver, in that the WebTV Plus Receiver included components as required by claim 95 and, in conjunction with a television set, was able to operate as required by **claim 95**. [See, e.g., Exhibit C, Changes 6378, 8532, 8574, 8876, 9803, and 10697.]
70. Before September 26, 1997, subject matter falling within the scope of **claim 96** was enabled in the WebTV Plus Receiver, in that the WebTV Plus Receiver in conjunction with a television set was further able to cause display of a panel as required by **claim 96**, cause display of the panel to end as required by **claim 96**, and cause display of auxiliary data as required by **claim 96**. [See, e.g., Exhibit C, Changes 6378, 8532, 8574, and 10697.]
71. Before September 26, 1997, subject matter falling within the scope of **claim 97** was enabled in the WebTV Plus Receiver, in that the WebTV Plus Receiver in conjunction with a television set was further able to cause the display of auxiliary data as required by **claim 97**. [See, e.g., Exhibit C, Changes 6378, 8532, 8574, and 10697.]
72. Before September 26, 1997, subject matter falling within the scope of **claim 98** was enabled in the WebTV Plus Receiver, in that the WebTV Plus Receiver in conjunction

with a television set was further able to cause the display of auxiliary data as required by **claim 98**. [See, e.g., Exhibit C, Changes 6378, 8532, 8574, and 10697.]

73. Before September 26, 1997, subject matter falling within the scope of **claim 99** was enabled in the WebTV Plus Receiver, in that the WebTV Plus Receiver in conjunction with a television set was further able to cause display of a progress indicator as required by **claim 99**. [See, e.g., Exhibit C, Changes 8532 and 8568.]

74. Before September 26, 1997, subject matter falling within the scope of **claim 100** was enabled in the WebTV Plus Receiver, in that the WebTV Plus Receiver in conjunction with a television set was further able to cause display of a panel as required by **claim 100**, cause display of the panel to end as required by **claim 100**, and cause display television programming as required by **claim 100**. [See, e.g., Exhibit C, Changes 6378, 8532, 8574, and 10697.]

75. Before September 26, 1997, subject matter falling within the scope of **claim 101** was enabled in the WebTV Plus Receiver, in that the WebTV Plus Receiver in conjunction with a television set was further able to cause display of a translucent icon as required by **claim 101**. [See, e.g., Exhibit C, Change 9003.]

76. The ideas, concepts, and reductions of the present invention arose from the efforts of the undersigned inventors at the Mountain View, California, U.S.A. offices of WebTV Networks, Inc. Thus, the conception and reduction of the present invention occurred in the United States of America.

KBR/CAJ 351161 (2) MS 112623.02
PATENTAttorney Reference Number 3382-50875-01
Application Number 09/153,577

The undersigned declares that all statements made herein of his knowledge are true and that all statements made on information and belief are believed to be true and further, that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment under Section 1001 of Title 18 of the United States Code, and that any such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Executed at the place and date opposite the signature below.

At Freiburg Germany
(City and State)
on this 21 day of April, 2005.




Daniel J. Zigmond

KBR/CAJ 351161 (2).doc MS 112623.02
PATENTAttorney Reference Number 3382-50875-01
Application Number 09/153,577

The undersigned declares that all statements made herein of his knowledge are true and that all statements made on information and belief are believed to be true and further, that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment under Section 1001 of Title 18 of the United States Code, and that any such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

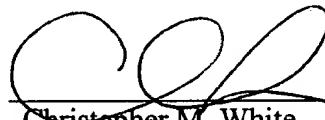
Executed at the place and date opposite the signature below.


David R. Anderson

At Mountain View, CA
(City and State)
on this 1/6 day of April, 2005.

The undersigned declares that all statements made herein of his knowledge are true and that all statements made on information and belief are believed to be true and further, that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment under Section 1001 of Title 18 of the United States Code, and that any such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Executed at the place and date opposite the signature below.



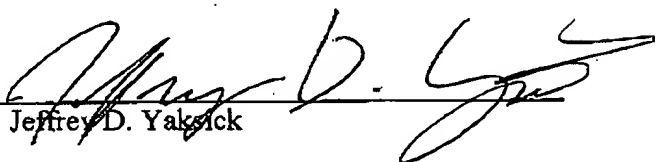
Christopher M. White

At SAN FRANCISCO, CA
(City and State)
on this 11 day of MAY, 2005.

The undersigned declares that all statements made herein of his knowledge are true and that all statements made on information and belief are believed to be true and further, that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment under Section 1001 of Title 18 of the United States Code, and that any such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Executed at the place and date opposite the signature below.

At MOUNTAIN VIEW / CA
(City and State)
on this 11 day of APRIL, 2005.


Jeffrey D. Yaksick

PRODUCTS COMPANY SEARCH

COMPANY

PRESS

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WEBTV NETWORKS INTRODUCES REVOLUTIONARY NEXT-GENERATION SYSTEM

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New WebTV Plus System Seamlessly Integrates Internet and Television Programming For Less Than \$300

NEW YORK, (September 16, 1997) - WebTV Networks, Inc. today announced its second-generation system: the WebTV Plus Receiver and WebTV Plus Network service. The new WebTV Plus System gives viewers a greater level of interaction with their televisions, providing a better way to choose which shows to watch and a new way to enjoy more entertainment, information and services that uniquely relate to those shows. The new system complements the original WebTV system, which pioneered the television Internet industry. (Please see WebTV Networks Delivers Fall Upgrade To Current Subscribers)

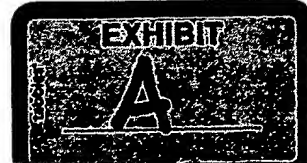
The WebTV Plus System features an advanced cable-ready tuner that allows viewers to quickly tune to cable and broadcast channels, and brings picture-in-picture capability to standard televisions so that audiences can now view TV and web programming at the same time. The system also provides web content directly linked to TV shows for a new and seamless integration of TV and web programming.

Distributed initially in the U.S. by the company's manufacturing licensees, Sony Electronics Inc., Philips Consumer Electronics Company and Mitsubishi Consumer Electronics America, the WebTV Plus Receiver is equipped with the most robust set of features available in any computer-related or consumer electronics product in its price category.

"The new WebTV Plus System is a breakthrough in television entertainment because it delivers viewers more choices, more control and a deeper level of interaction and entertainment with

<http://www.webtv.com/company/press/archive/webtvplus.html>

07/16/2001



TV programs immediately when they demand it," said Steve Perlman, co-founder and president of WebTV Networks, Inc. "We developed revolutionary new technologies in order to provide these new capabilities in an affordable consumer electronics product."

More Control Over What To Watch On TV

The WebTV Plus System provides viewers with more information about what to watch on television through two key features: TV Home and TV Listings. TV Home is the launch point for the WebTV Plus Network service. It gives viewers a fast and convenient way to find descriptions about shows as they flip through channels, or they can quickly see what's playing on a collection of their favorite channels.

TV Listings gives audiences an easy way to plan their TV viewing, scroll through TV channels and watch the currently selected program, all at the same time. TV Listings provides complete descriptions of all cable and broadcast programming a minimum of 48 hours in advance, such as show title, plot, stars and ratings.

Enhanced Internet Experience

The WebTV Plus System provides new web experiences that are rich and dynamic, like television. At the heart of the system are several advanced technologies that boost the delivery and enhance the display of web content so that it matches the audio and visual quality of television, while also providing practical features such as the ability to print.

The system includes a 1.1 GB hard drive for local storage of multimedia content with full-motion video and symphonic sound. Viewers have immediate control and access without having to wait for downloads.

The WebTV Plus Receiver speeds up the retrieval time of web pages through a Rockwell K56flex modem. This gives viewers access to Internet information at almost twice the speed of current V.34 connections over standard phone lines, which is especially useful for graphics-intensive Web pages, sound and video files. The WebTV Plus Receiver also includes the company's

breakthrough VideoModem technology, an advanced cable modem that can receive high-bandwidth data (1MB/sec) embedded in a conventional television broadcast signal without disturbing the video content.

Viewers also can print high-quality color output from web sites directly from their televisions. The WebTV Plus Receiver offers a built-in parallel port, with full printer support for popular Hewlett-Packard printers. Customers also will receive support for selected models of popular Canon printers later this year. WebTV Networks works closely with these companies to develop high-quality printing capabilities for WebTV Network™ customers. Both companies are providing 24-hour customer support for WebTV Network customers.

The WebTV Plus System provides viewers with WebPIP™, a new feature that brings picture-in-picture capability to standard televisions. WebPIP allows audiences to watch TV shows and explore related web content at the same time.

Simultaneously View Internet and TV

WebPIP is made possible by a 3D-graphics engine, resident on a revolutionary new chip designed by WebTV Networks called "Solo." With WebPIP functionality, viewers can instantly switch among full-screen TV, full-screen web and the combined picture-in-picture TV and web displays. Viewers also will experience dramatic 3D special-effects transitions with live video and graphics.

TV Crossover Links

The WebTV Plus Network service features TV Crossover Links, which complement and enhance TV programs by providing quick and easy access to integrated web sites that are directly related to popular TV programs. The WebTV Plus Receiver detects web links and data embedded in video broadcast and notifies viewers with a small icon that appears on their television screens.

TV Crossover Links give audiences a variety of entertaining possibilities to choose from. They may find breaking news or gossip about their favorite stars, or a synopsis of past episodes. They might engage in online chatting with fans or stars, or offer

their feedback through instantaneous polls and votes.

By giving viewers more ways to interact with their television programming, TV Crossover Links also provide broadcasters and advertisers with a powerful new medium to connect more closely and efficiently with their audiences. Leading content providers such as Discovery, E! Online, PBS, Warner Bros. Online and MSNBC will be taking advantage of web-based content to enhance their television programming.

Pricing and Availability

The WebTV Plus Receiver will be available in retail outlets in the U.S. later this fall. Models from consumer electronics licensees are expected to be priced at less than \$300. The WebTV Plus Network service will be available to new subscribers for a monthly fee of \$19.95.

WebTV Networks

Founded in 1995 by Steve Perlman, Bruce Leak and Phil Goldman, WebTV Networks is dedicated to delivering entertaining new experiences and information to consumers through the integration of television programming and the Internet. WebTV Networks operates the WebTV Network Service and develops the WebTV Internet Terminal and WebTV Plus Receiver, which are available through the company's U.S. licensees, Sony Electronics Inc., Philips Consumer Electronics Company and Mitsubishi Consumer Electronics America at U.S. consumer electronics stores nationwide. WebTV Networks, based in Palo Alto, Calif., is a subsidiary of Microsoft Corporation.

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**ADVERTISEMENTS WITH TV CROSSOVER LINKS DIRECTLY
TIE TV COMMERCIALS TO ADVERTISER'S WEB CONTENT**

**WebTV Networks Also Announces First Wave of Consumer
Brand Advertisers**

NEW YORK (September 16, 1997) - WebTV Networks, Inc. today announced an entirely new way for advertisers to combine broadcast advertising with online communications. TV Crossover Links advertisements only will be available in the Microsoft® WebTV Network™ Plus Service. (Please see WebTV Networks Introduces Revolutionary Next-Generation System) The company's new TV Crossover Links allow viewers to easily interact with both television commercials and online content simultaneously. This combines the strengths of direct response, online and broadcast advertising into one new, integrated medium.

WebTV Networks also announced that several companies including General Motors, Honda, AT&T and Charles Schwab have become advertisers on the company's WebTV Network™ and WebTV Plus services. Last week, WebTV Networks introduced a suite of advertising products that provide sophisticated subscriber targeting techniques and enhanced direct-response capabilities to large-brand advertisers, allowing them to reach a home consumer audience.



"Ads with TV Crossover Links introduce the next generation of Direct Response TV," said Joe Poletto, vice president of advertising sales, WebTV Networks. "These ads enhance broadcast commercials to include product information, promotions, retail locations and calls-to-action to which consumers can easily and instantly respond."

Advertisements With TV Crossover Links

WebTV Networks has made the process of directly marrying broadcast spots with online content very simple. Advertisers place their URL into the television signal within their broadcast commercials. The WebTV-based Internet unit reads the URL and displays a TV Crossover Link watermark on the advertisement, indicating that there is supplemental information for the viewer to access immediately or save for later. For example, a movie studio could enhance a movie trailer with a link to a web site that is tailored to each viewer, featuring local theaters and ways to purchase tickets online. Not only can advertisers track individual consumer responses on their web sites, WebTV Networks also can provide a more immediate report of how effective their broadcast advertisements were by television program.

About WebTV Networks, Inc.

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Home

Quick change: 6378 Software 

Branch: Client::Main

Error!

Change: 6378

Error!

When: Friday, July 18, 1997 4:55:26 PM Unkno

Who: djz (Dan Zigmond)

wn
switch
argume
nt.

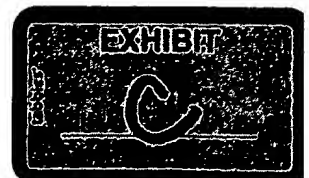
Notes: - Changed TVDatabase to accept GMT
times from the service and
convert to local time at the
client.

:System:TVDatabase.c


- Added the SmartLinkReceiver
class, to manage SmartLinks and
provide an interface for the UI
code to use. Initial
implementation
just picks a random URL from a
list of 12, then waits a random
time up to 1 minute before saying
that a new SmartLink has
arrived.

:Debug:Debug.c
:Interfaces:Classes.h
:Interfaces:Screen.h
:Interfaces:SmartLink.h (new)
:System:SmartLink.c (new)
:UserInterface:Screen.c
:WebTVPPC

Name	Rev	Action	Add	Edit	Del	Tot	
//depot/client/Interfaces/SmartLink.h	<u>1</u> (anno)	<u>add</u>	34	0	0	34	
//depot/client/System/SmartLink.c	<u>1</u> (anno)	<u>add</u>	77	0	0	77	
//depot/client/Interfaces/Classes.h	<u>28</u> (anno)	<u>edit</u>	1	0	0	394	
//depot/client/Interfaces/Screen.h	<u>19</u> (anno)	<u>edit</u>	2	0	0	331	
//depot/client/UserInterface/Screen.c	<u>31</u> (anno)	<u>edit</u>	4	0	0	1784	
//depot/client/System/TVDatabase.c	<u>35</u> (anno)	<u>edit</u>	3	5	94	831	
//depot/client/WebTVPPC	<u>31</u>	<u>edit b</u>	i	n	a	r	y
//depot/client/Debug/Debug.c	<u>28</u> (anno)	<u>edit</u>	1	0	0	674	
Totals:			122	5	94	4125	



Home

Quick change: 8532 Software 

Branch: Client::Main

Change: 8532

When: Wednesday, August 20, 1997 5:24:14 PM

Who: dave (Dave Anderson (WebTV))

Error!

Error!

Unkno

wn

switch

argume

nt.

Notes: - Implemented real crossover handling. Autoconnect on crossover and take the user to WebMode automatically when crossover page is shown.

- Remember fTargetResource. Moved TV/Web power selection to System.

:Interfaces:Network.h
:Communications:Network.c
:System:System.c

- Added SWITCHTOWEBMODE attribute that can be used on TV pages to allow auto switching to web mode when target page is ready.

:HTML:Document.c
:HTML:Parser.c
:Interfaces:Document.h
:Interfaces:Parser.h

- Watch for crossover target page and switch to WebMode.

:Interfaces:PageViewer.h
:UserInterface:PageViewer.c

- Auto reconnect for crossover.

:UserInterface:Screen.c

- Set SWITCHTOWEBMODE on crossover page. Include real progress indicator on crossover page.

:UserInterface:TVInterface.c

Name

Rev

Action Add Edit Del Tot

<u>//depot/client/Communications/Network.c</u>	<u>52 (anno)</u>	<u>edit</u>	9	10	9	3144
<u>//depot/client/UserInterface/Screen.c</u>	<u>64 (anno)</u>	<u>edit</u>	8	7	0	2093
<u>//depot/client/UserInterface/TVInterface.c</u>	<u>79 (anno)</u>	<u>edit</u>	0	7	24	1293
<u>//depot/client/HTML/Parser.c</u>	<u>63 (anno)</u>	<u>edit</u>	1	0	0	4008
<u>//depot/client/System/System.c</u>	<u>52 (anno)</u>	<u>edit</u>	8	0	0	2183
<u>//depot/client/HTML/Document.c</u>	<u>36 (anno)</u>	<u>edit</u>	1	0	0	1939
<u>//depot/client/Interfaces/Document.h</u>	<u>21 (anno)</u>	<u>edit</u>	8	0	0	744
<u>//depot/client/Interfaces/Network.h</u>	<u>23 (anno)</u>	<u>edit</u>	15	0	0	424
<u>//depot/client/Interfaces/Parser.h</u>	<u>38 (anno)</u>	<u>edit</u>	1	0	0	486
<u>//depot/client/Interfaces/PageViewer.h</u>	<u>22 (anno)</u>	<u>edit</u>	6	0	0	397
<u>//depot/client/UserInterface/PageViewer.c</u>	<u>40 (anno)</u>	<u>edit</u>	14	5	0	2237
Totals:			71	29	33	18948

Home

Quick change:

8568

Software



Branch: Client::Main

Change: 8568

When: Thursday, August 21, 1997 10:44:11 AM

Who: dave (Dave Anderson (WebTV))

Notes: - More work for crossover.

ProgressIndicator now supports
update of progress for
WebPageViewer requests.

- Use name constant for finding
embedded ProgressIndicator.

:Communications:Downloader.c

- Added SetStatusMessage and
SetStatusTarget. Update both
StatusIndicator
and embedded ProgressIndicator.

:Interfaces:PageViewer.h

:UserInterface:PageViewer.c

- Support auto update of
PageViewer percent complete.

:Interfaces:ProgressBar.h

:UserInterface:ProgressBar.c

- Consolidated SmartLink hacks
into Screen::DispatchInput.

:System:Tuner.c

:UserInterface:Screen.c

- Don't override smartlink url
with empty string from TVDatabase.

:UserInterface:TVInterface.c

Name	Rev	Action	Add	Edit	Del	Tot
//depot/client/Interfaces/PageViewer.h	23 (anno)	edit	5	0	1	401
//depot/client/UserInterface/Screen.c	66 (anno)	edit	2	1	5	2117
//depot/client/UserInterface/TVInterface.c	81 (anno)	edit	0	1	1	1340
//depot/client/Interfaces/ProgressBar.h	6 (anno)	edit	2	1	0	150
//depot/client/UserInterface/PageViewer.c	41 (anno)	edit	42	17	1	2275
//depot/client/UserInterface/ProgressBar.c	7 (anno)	edit	14	3	0	479
//depot/client/Communications/Downloader.c	19 (anno)	edit	0	1	0	573
//depot/client/System/Tuner.c	43 (anno)	edit	0	1	14	1237

Totals: 65 25 22 8572

Home

Quick change:

8574

Software



Branch: Client::Main

Change: 8574

When: Thursday, August 21, 1997 11:34:12 AM

Who: dave (Dave Anderson (WebTV))

Error!

Error!

Unkno

wn

switch

argume


nt.

Notes: - Do TV/Web transition when
transitioning to target crossover
page.
- Don't show status for WebTV
headwaiter pages when connecting
for crossover.

:UserInterface:PageViewer.c

Name	Rev	Action	Add	Edit	Del	Tot
<u>//depot/client/UserInterface/PageViewer.c</u>	<u>42(anno)</u>	<u>edit</u>	4	1	2	2277

Home

Quick change: 8719 Software 

Branch: Client::Main

Change: 8719

When: Sunday, August 24, 1997 11:49:33 AM

Who: dave (Dave Anderson (WebTV))

Error!

Error!

Unkno

wn

switch

argume

nt.

Notes: - More work in cleaning up
crossover and connecting.

- Allow posting of target for
reconnect or when already online.

:Interfaces:Network.h

- Allow for multiple transitions
to web mode as a result of
crossover after a single
connection.

:UserInterface:PageViewer.c

- Reconnect automatically when
disconnected and going to a
crossover page.
- Show TV crossover page while
waiting for crossover page, even
if already connected. Note: We may
want a different page than
the one used for connecting in
this situation.

:UserInterface:Screen.c

Name	Rev	Action	Add	Edit	Del	Tot
<u>//depot/client/UserInterface/Screen.c</u>	<u>73(anno)</u>	<u>edit</u>	26	0	18	1997
<u>//depot/client/Interfaces/Network.h</u>	<u>25(anno)</u>	<u>edit</u>	7	0	0	436
<u>//depot/client/UserInterface/PageViewer.c</u>	<u>44(anno)</u>	<u>edit</u>	8	13	0	2278
Totals:			41	13	18	4711

Home

Quick change:

8876

Software



Branch: Client::Main

Change: 8876

When: Tuesday, August 26, 1997 10:03:22 PM

Who: dave (Dave Anderson (WebTV))

Notes: - Added support for saving TV crossover links offline, and sending them up to the service as favorites on next connect.

- Added System:Favorites.c

 :WebTVPPC
 :WebTVPPC
 :System:Makefile

- Added Favorites::Initialize().

 :Boot:LateBoot.c

- Added
kClassNumberLocalFavorites.

 :Debug:Debug.c
 :Interfaces:Classes.h

- Added client:savetotvfavorite.

 :FLASH:Data:clientfunc.txt
 :HTML:ClientFunctions.c

- Provide access to
gServiceList::HasService.

 :Interfaces:Service.h

- Call inherited
CacheStream::Write so we actually write.
FileStream now works.

 :Storage:FileStream.c

- Call gLocalFavorites-
>SaveState(), RestoreState() and
Idle().

:System:System.c

- Set video bounds correctly when transition to TVMode.
- Save title in TVIcon.

:UserInterface:TVInterface.c
:Interfaces:TVInterface.h

- Here's the beef! New LocalFavorites class, tracks unsaved crossover favorites, saves them to disk accross boots, and sends them to service when connected.

:Interfaces:Favorites.h (new)
:System:Favorites.c (new)

- Don't set transitions in WebPageViewer if were in TV mode.

:UserInterface:PageViewer.c

Name	Rev	Action	Add	Edit	Del	Tot
//depot/client/Debug/Debug.c	55 (anno)	edit	1	0	0	705
//depot/client/HTML/ClientFunctions.c	89 (anno)	edit	9	0	0	4583
//depot/client/Interfaces/Classes.h	55 (anno)	edit	1	0	0	428
//depot/client/System/Makefile	15 (anno)	edit	1	0	0	35
//depot/client/System/System.c	66 (anno)	edit	5	0	0	2277
//depot/client/UserInterface/PageViewer.c	46 (anno)	edit	6	0	5	2260
//depot/client/FLASH/Data/clientfunc.txt	35 (anno)	edit	1	0	0	152
//depot/client/Interfaces/TVInterface.h	35 (anno)	edit	3	0	0	235
//depot/client/Storage/FileStream.c	10 (anno)	edit	0	1	0	519
//depot/client/Interfaces/Favorites.h	1 (anno)	add	54	0	0	54
//depot/client/System/Favorites.c	11 (anno)	add	153	0	0	153
//depot/client/Interfaces/Service.h	11 (anno)	edit	1	0	1	321
//depot/client/Boot/LateBoot.c	25 (anno)	edit	2	0	0	325
//depot/client/UserInterface/TVInterface.c	98 (anno)	edit	24	11	2	1702
//depot/client/WebTVPPC	34	edit b i n a r y				
//depot/client/WebTVPPC	55	edit b i n a r y				
Totals:			261	12	8	13749

Home

Quick change:

8915

Software



Branch: Client::Main

Change: 8915

When: Wednesday, August 27, 1997 10:50:00 AM

Who: dave (Dave Anderson (WebTV))

Notes: - New look for crossover mark and panel. This is not yet drawing correctly on the box using the alpha blending, but I'm checking it in so that Sean can work out the bugs.

:FLASH:tvimages:CrossoverMark.gif
(new)

:FLASH:tvimages:CrossoverMarkSelect.gif
(new)

:FLASH:tvimages:CrossoverPanel.gif
(new)

:HTML:Document.c

:UserInterface:Screen.c

:UserInterface:TVInterface.c

Name	Rev	Action	Add	Edit	Del	Tot	
<u>//depot/client/UserInterface/TVInterface.c</u>	<u>103</u> (anno)	<u>edit</u>	1	33	3	1780	
<u>//depot/client/UserInterface/Screen.c</u>	<u>78</u> (anno)	<u>edit</u>	0	4	0	1983	
<u>//depot/client/HTML/Document.c</u>	<u>43</u> (anno)	<u>edit</u>	2	2	0	1944	
<u>//depot/client/FLASH/tvimages/CrossoverMark.gif</u>	<u>1</u>	add b	i	n	a	r	y
<u>//depot/client/FLASH/tvimages/CrossoverMarkSelect.gif</u>	<u>1</u>	add b	i	n	a	r	y
<u>//depot/client/FLASH/tvimages/CrossoverPanel.gif</u>	<u>1</u>	add b	i	n	a	r	y
		Totals:	3	39	3	5707	

Home

Quick change:

8924

Software



Branch: Client::Main

Change: 8924

When: Wednesday, August 27, 1997 12:23:38 PM

Who: dave (Dave Anderson (WebTV))

Error!

Error!

Unkno

wn

switch

argume

nt.

Notes: - More tweaks for CrossoverPanel
layout

- Make cell selectables work in
the general case.


:HTML:Cell.c
:Interfaces:Cell.h

- Selection highlight now bounds
the button rather than the
button text to match Jeff's
design.

:UserInterface:TVInterface.c

Name	Rev	Action	Add	Edit	Del	Tot
<u>//depot/client/UserInterface/TVInterface.c</u>	<u>107(anno)</u>	<u>edit</u>	0	8	1	1778
<u>//depot/client/Interfaces/Cell.h</u>	<u>15(anno)</u>	<u>edit</u>	1	0	0	252
<u>//depot/client/HTML/Cell.c</u>	<u>16(anno)</u>	<u>edit</u>	7	0	0	338
Totals:			8	8	1	2368

Home

Quick change: 8985 Software 

Branch: Client::Main

Change: 8985

When: Thursday, August 28, 1997 5:16:55 AM

Who: chris (Chris White)

Error!

Error!

Unkno

wn

switch

argume

nt.

Notes: - Hooked up SmartLinks.

TVController calls ProgramChanged both when the channel is changed and when the program has changed on the current channel. TVController

talks to the TVDatabase to determine when the next program will start.

ProgramChanged() asks gTVDatabase for SmartLinks associated with the current program. For key phrase matching, gVBIMux is called. Otherwise, the TVIcon is set directly.

:Interfaces:TVController.h
:System:TVController.c

- Changed to call TVIcon::SetURL() instead of SmartLinkReceiver::PutURL(). (SmartLinkReceiver is no longer necessary)

:System:VBIMux.c

- Changed TVIcon::SetURL to show itself if a valid URL is passed in.

:UserInterface:TVInterface.c

Name	Rev	Action	Add	Edit	Del	Tot
//depot/client/System/VBIMux.c	6(anno)	edit	1	2	4	521
//depot/client/System/TVController.c	12(anno)	edit	106	10	52	818
//depot/client/Interfaces/TVController.h	9(anno)	edit	11	1	6	141

//depot/client/UserInterface/TVInterface.c 109(anno) edit 9 0 12 1778
Totals: 127 13 74 3258

Home

Quick change:

9003

Software



Branch: Client::Main

Change: 9003

When: Thursday, August 28, 1997 12:50:49 PM

Who: dave (Dave Anderson (WebTV))

Notes: - New crossover transparent gifs.
- Options panel now transparent over video. New layout.

:FLASH:tvimages:CrossoverMark.gif

:FLASH:tvimages:CrossoverMarkSelect.gif

:FLASH:tvimages:CrossoverMarkSmall.gif
(new)

:FLASH:tvimages:CrossoverPanel.gif

:FLASH:tvimages:TVOptionsPanel.gif

:UserInterface:Screen.c

:UserInterface:TVInterface.c

Name	Rev	Action	Add	Edit	Del	Tot
<u>//depot/client/UserInterface/Screen.c</u>	<u>79</u> (anno)	<u>edit</u>	0	5	0	1983
<u>//depot/client/UserInterface/TVInterface.c</u>	<u>112</u> (anno)	<u>edit</u>	0	77	0	1775
<u>//depot/client/FLASH/tvimages/CrossoverMark.gif</u>	<u>2</u>	<u>edit b</u>	i	n	a	r y
<u>//depot/client/FLASH/tvimages/CrossoverMarkSelect.gif</u>	<u>2</u>	<u>edit b</u>	i	n	a	r y
<u>//depot/client/FLASH/tvimages/CrossoverPanel.gif</u>	<u>2</u>	<u>edit b</u>	i	n	a	r y
<u>//depot/client/FLASH/tvimages/CrossoverMarkSmall.gif</u>	<u>1</u>	<u>add b</u>	i	n	a	r y
<u>//depot/client/FLASH/tvimages/TVOptionsPanel.gif</u>	<u>2</u>	<u>edit b</u>	i	n	a	r y
Totals:			0	82	0	3758

Home

Quick change:

9680

Software



Branch: Client::Main

Change: 9680

When: Tuesday, September 09, 1997 2:41:07 AM

Who: chris (Chris White)

Error!

Error!

Unkno

wn

switch

argume

nt.

Notes: - Removed gSmartLinkReceiver and
SmartLinkReceiver class.

:Interfaces:SmartLink.h
:System:SmartLink.c
:Interfaces:Classes.h
:Debug:Debug.c

- Moved crossover related classes
into TVCrossover.c and
TVCrossover.h.

:Interfaces:TVCrossover.h (new)
:UserInterface:TVCrossover.c
(new)
:Communications:Network.c
:HTML:ClientFunctions.c
:System:TVController.c
:System:VBIMux.c
:UserInterface:Makefile
:UserInterface:Screen.c
:Interfaces:TVInterface.h
:UserInterface:TVInterface.c

Name	Rev	Action	Add	Edit	Del	Tot
//depot/client/System/VBIMux.c	<u>9</u> (anno)	<u>edit</u>	0	1	0	575
//depot/client/Interfaces/Classes.h	<u>61</u> (anno)	<u>edit</u>	0	0	1	437
//depot/client/System/TVController.c	<u>22</u> (anno)	<u>edit</u>	1	0	3	854
//depot/client/Communications/Network.c	<u>68</u> (anno)	<u>edit</u>	0	1	0	3234
//depot/client/UserInterface/TVInterface.c	<u>135</u> (anno)	<u>edit</u>	1	0	289	1681
//depot/client/Debug/Debug.c	<u>61</u> (anno)	<u>edit</u>	0	0	1	713
//depot/client/Interfaces/TVInterface.h	<u>43</u> (anno)	<u>edit</u>	0	0	50	217
//depot/client/HTML/ClientFunctions.c	<u>114</u> (anno)	<u>edit</u>	1	0	0	4696
//depot/client/Interfaces/TVCrossover.h	<u>1</u> (anno)	<u>add</u>	66	0	0	66
//depot/client/UserInterface/TVCrossover.c	<u>1</u> (anno)	<u>add</u>	330	0	0	330
//depot/client/Interfaces/SmartLink.h	<u>4</u> (anno)	<u>edit</u>	0	1	18	17
//depot/client/System/SmartLink.c	<u>4</u> (anno)	<u>edit</u>	2	0	81	24
//depot/client/UserInterface/Makefile	<u>17</u> (anno)	<u>edit</u>	1	0	0	60

//depot/client/UserInterface/Screen.c

89(anno) edit 1 0 0 1974
Totals: 403 3 443 14878

Home

Quick change:

9803

Software



Branch: Client::Main

Change: 9803

When: Wednesday, September 10, 1997 9:57:57 AM

Who: dave (Dave Anderson (WebTV))

Bugs: 29321

Notes: Fixed PR 29321. Crossovers that occur while connecting is in progress are now handled correctly. We no longer use the target-url facility of the boot resource, because it only works for the case where we are connecting for the first time for the purpose of crossover.

- Added Network::Visit to allow crossover target to be added to visit list.

:Communications:Network.c
:Interfaces:Network.h

- If crossover target is present, show it instead of Web Home.

:UserInterface:PageViewer.c

- If reconnect is already in progress, add crossover target to visit list.

:UserInterface:Screen.c

- New TV Options at bottom of screen.

:FLASH:tvimages:TVOptionsPanel.gif
:UserInterface:Screen.c

Name	Rev	Action	Add	Edit	Del	Tot	
<u>//depot/client/Interfaces/Network.h</u>	<u>28 (anno)</u>	<u>edit</u>	2	0	0	440	
<u>//depot/client/UserInterface/PageViewer.c</u>	<u>51 (anno)</u>	<u>edit</u>	18	13	0	2291	
<u>//depot/client/UserInterface/Screen.c</u>	<u>92 (anno)</u>	<u>edit</u>	9	5	1	1985	
<u>//depot/client/FLASH/tvimages/TVOptionsPanel.gif</u>	<u>3</u>	edit b	i	n	a	r	y
<u>//depot/client/Communications/Network.c</u>	<u>71 (anno)</u>	<u>edit</u>	6	6	0	3243	
Totals:			35	24	1	7959	

Path: client_main

Change: 9822

When: Wednesday, September 10, 1997 at 3:15:30 PM

Who: djz (Dan Zigmond)



First seen in
build 1000

Notes: - Changed TVIcon::SetURL so that the crossover icon won't come up again if the URL received is the same as the last URL received.

:UserInterface:TVCrossover.c

Name	Rev	Action	Add	Edit	Del	Tot
//depot/client/UserInterface/TVCrossover.c	<u>5</u> (anno)	<u>edit</u>	4	0	0	363

Home

Quick change:

10461

Software



Branch: Client::Main

Change: 10461

When: Friday, September 19, 1997 10:28:25 PM

Who: chris (Chris White)

Bugs: 030255

Notes: - Fixed bug #030255: Crossover

Panel: " i " logo is hilited as a
separate
ink but it only
functions to close the panel.

:UserInterface:TVCrossover.c

Name	Rev	Action	Add	Edit	Del	Tot
<u>//depot/client/UserInterface/TVCrossover.c</u>	<u>15(anno)</u>	<u>edit</u>	1	7	0	376

Home

Quick change:

10697

Software



Branch: Client::Main

Change: 10697

When: Wednesday, September 24, 1997 6:18:36 AM

Who: dave (Dave Anderson (WebTV))

Bugs: 30279, 31749

Notes: - Fixed PR 30279. Added Support for backing out of a crossover back into TV Mode. BackToTVMode is set whenever entering WebMode as a result of a crossover. The flag is stored in the current document and it's corresponding entry in the back list. If the flag is set for the current document when GoBack is execute, we switch back to TV Mode when going Back. The flag is cleared whenever TVMode is entered, so this only works if the user has remained in Web Mode since crossing over.

- Added Get/SetBackToTVMode()
:Interfaces:Document.h

- Added Get/SetBackToTVMode() to BackURL.

- Added ClearBackToTVMode() to WebPageViewer.

:Interfaces:PageViewer.h

- Mark BackToTVMode if showing page as result of crossover

:UserInterface:PageViewer.c

- Fixed PR 31749. Sounds effects are now audible when in TV Mode.

- Don't restart muzac if TV is on.

:Sound:Muzac.c

- Pause Web audio and muzac when enabling TV audio. Resume Web audio when disabling TV Audio.

:System:TVController.c

- When starting new Web audio while TV is on, pause it immediately.

:UserInterface:ContentView.c

- Enabled Web & TV audio together.
- Call ClearBackToTVMode whenever entering Web Mode.

:UserInterface:Screen.c

Name	Rev	Action	Add	Edit	Del	Tot
//depot/client/Interfaces/Document.h	32 (anno)	edit	15	0	0	797
//depot/client/Interfaces/PageViewer.h	28 (anno)	edit	13	1	0	398
//depot/client/UserInterface/PageViewer.c	61 (anno)	edit	19	1	0	2355
//depot/client/UserInterface/Screen.c	121 (anno)	edit	5	4	0	2125
//depot/client/System/TVController.c	50 (anno)	edit	15	0	0	1031
//depot/client/UserInterface/ContentView.c	85 (anno)	edit	3	1	0	4982
//depot/client/Sound/Muzac.c	14 (anno)	edit	4	2	0	399
Totals:			74	9	0	12087

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